



isCon®

High-voltage-resistant, insulated conductor to maintain the necessary separation distances according to VDE 0185-305-3 (IEC/EN 62305-3)

PREMIUM

EX

PROFESSIONAL⁺ GR

EX

PROFESSIONAL⁺

PROFESSIONAL

BASIC



The high-voltage-resistant, insulated isCon® conductor is the modern solution for the planners and erection engineers of lightning protection systems, in order to comply safely with the necessary separation distances according to VDE 0185-305-3 (IEC/EN 62305-3).

As an innovative, international provider of complete lightning and surge protection systems, OBO has adapted its product range in the field of “Insulated lightning protection” to the different requirements of its customers.

The result: The right isCon® conductor for all requirements of the appropriate lightning protection project, with external certification according to the current testing standard (IEC TS 62561-8).

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Technical data

 <p>PREMIUM</p>	$s_e \leq 90$ cm	200 kA	Ø 23 mm		Tower blocks
 <p>EX PROFESSIONAL⁺ GR</p>	$s_e \leq 75$ cm	150 kA	Ø 26 mm		Chemicals industry
 <p>EX PROFESSIONAL⁺</p>	$s_e \leq 75$ cm	150 kA	Ø 23 mm		
 <p>PROFESSIONAL</p>	$s_e \leq 75$ cm	150 kA	Ø 20 mm		Industrial building
 <p>BASIC</p>	$s_e \leq 45$ cm	150 kA	Ø 20 mm		Flat roof/ 2 storeys

Product safety and quality



With the standardised cable cross-section, isCon® conductors fulfil the requirements of VDE 0185-561-2 (IEC/ EN 62561-2). Numerous lightning current tests according to VDE 0185-561-1 (IEC/EN 62561-1) and according to IEC TS 62561-8 with up to 200 kA (10/350) guarantee the conductors' use in all lightning protection classes.

The surface discharge-free isCon® Professional+ cable has been externally certified for routing in EX areas. The isCon® Professional+ with the additional grey outer sheath also guarantees protection against dangerous contact voltages according to VDE 0185-305-3 (IEC/ EN 62305-3).

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